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1039 ***Olga V. Volpert, Tim Fong, Alisa E. Koch, Jeffrey D. Peterson, Carl Waltenbaugh, Robert I. Tepper, and Noël P. Bouck.*** Inhibition of angiogenesis by interleukin 4

1047 ***Bojan Polić, Hartmut Hengel, Astrid Krmpotić, Joanne Trgovcich, Ivica Pavić, Pero Lučin, Stipan Jonjić, and Ulrich H. Koszinowski.*** Hierarchical and redundant lymphocyte subset control precludes cytomegalovirus replication during latent infection

1055 ***Janet D. Cheng, Rolf-Peter Ryseck, Ricardo M. Attar, Donna Dambach, and Rodrigo Bravo.*** Functional redundancy of the nuclear factor κB inhibitors IκBα and IκBβ

1063 ***Wei-Wei Huang, Eduardo A. Garcia-Zepeda, Alain Sauty, Hans C. Oettgen, Marc E. Rothenberg, and Andrew D. Luster.*** Molecular and biological characterization of the murine leukotriene B_4 receptor expressed on eosinophils

1075 ***Angel Porgador, Kari R. Irvine, Akiko Iwasaki, Brian H. Barber, Nicholas P. Restifo, and Ronald N. Germain.*** Predominant role for directly transfected dendritic cells in antigen presentation to $CD8^+$ T cells after gene gun immunization

1083 ***Ariane Volkmann, Thomas Barthlott, Siegfried Weiss, Ronald Frank, and Brigitta Stockinger.*** Antagonist peptide selects thymocytes expressing a class II major histocompatibility complex–restricted T cell receptor into the CD8 lineage

1091 ***Ben R. Otto, Silvy J.M. van Dooren, Jan H. Nuijens, Joen Luirink, and Bauke Oudega.*** Characterization of a hemoglobin protease secreted by the pathogenic *Escherichia coli* strain EB1

1105 ***Beatriz C. Gil-Torregrosa, A. Raúl Castaño, and Margarita Del Val.*** Major histocompatibility complex class I viral antigen processing in the secretory pathway defined by the *trans*-Golgi network protease furin

1117 ***Tim H. Brummendorf, Wieslawa Dragowska, J. Mark J.M. Zijlmans, Gayle Thornbury, and Peter M. Lansdorp.*** Asymmetric cell divisions sustain long-term hematopoiesis from single-sorted human fetal liver cells

1125 ***Owen Williams, Trisha Norton, Mark Halligey, Dimitris Kioussis, and Hugh J.M. Brady.*** The action of Bax and Bcl-2 on T cell selection

1135 ***Jürg Boesiger, Mindy Tsai, Marcus Maurer, Masao Yamaguchi, Lawrence F. Brown, Kevin P. Claffey, Harold F. Dvorak, and Stephen J. Galli.*** Mast cells can secrete vascular permeability factor/vascular endothelial cell growth factor and exhibit enhanced release after immunoglobulin E–dependent upregulation of Fcε receptor I expression

1147 ***Jennifer Q. Russell, Gregory J. Morrissette, Mark Weidner, Chirag Vyas, Deborah Aleman-Hoey, and Ralph C. Budd.*** Liver damage preferentially results from $CD8^+$ T cells triggered by high affinity peptide antigens

1159 ***Gunilla B. Karlsson, Matilda Halloran, Dominik Schenten, Juliette Lee, Paul Racz, Klara Tenner-Racz, Judith Manola, Rebecca Gelman, Bijan Etemad-Moghadam, Elizabeth Desjardins, Richard Wyatt, Norma P. Gerard, Luisa Marcon, David Margolin, John Fanton, Michael K. Axthelm, Norman L. Letvin, and Joseph Sodroski.*** The envelope glycoprotein ectodomains determine the efficiency of $CD4^+$ T lymphocyte depletion in simian–human immunodeficiency virus–infected macaques

1173 ***Pu Zhang, Atsushi Iwama, Milton W. Datta, Gretchen J. Darlington, Daniel C. Link, and Daniel G. Tenen.*** Upregulation of interleukin 6 and granulocyte colony-stimulating factor receptors by transcription factor CCAAT enhancer binding protein α (C/EBPα) is critical for granulopoiesis

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1185 ***Michael Hahne, Takao Kataoka, Michael Schröter, Kay Hofmann, Martin Irmler, Jean-Luc Bodmer, Pascal Schneider, Tierry Bornand, Nils Holler, Lars E. French, Bernard Sordat, Donata Rimoldi, and Jürg Tschopp.*** APRIL, a new ligand of the tumor necrosis factor family, stimulates tumor cell growth

1191 ***Mark H. Kaplan, Andrea L. Wurster, and Michael J. Grusby.*** A signal transducer and activator of transcription (Stat)4-independent pathway for the development of T helper type 1 cells

1197 ***B. Kilunga Kubata, Naomi Eguchi, Yoshihiro Urade, Kouwa Yamashita, Toshihide Mitamura, Kumiko Tai, Osamu Hayaishi, and Toshihiro Horii.*** *Plasmodium falciparum* produces prostaglandins that are pyrogenic, somnogenic, and immunosuppressive substances in humans

1203 ***Graham S. Ogg, P. Rod Dunbar, Pedro Romero, Ji-Li Chen, and Vincenzo Cerundolo.*** High frequency of skin-homing melanocyte-specific cytotoxic T lymphocytes in autoimmune vitiligo

1209 ***Correction***

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1211 ***Darren G. Woodside, David K. Wooten, and Bradley W. McIntyre.*** Adenosine diphosphate (ADP)-ribosylation of the guanosine triphosphatase (GTPase) Rho in resting peripheral blood human T lymphocytes results in pseudopodial extension and the inhibition of T cell activation

1223 ***Hisashi Fujioka, Steven N. Emancipator, Masamichi Aikawa, Dennis S. Huang, Frank Blatnik, Tracy Karban, Kristin DeFife, and Mary B. Mazanec.*** Immunocytochemical colocalization of specific immunoglobulin A with Sendai virus protein in infected polarized epithelium

1231 ***Marc W. Retter and David Nemazee.*** Receptor editing occurs frequently during normal B cell development

1239 ***Corrado M. Cilio, Michael R. Daws, Anna Malashicheva, Charles L. Sentman, and Dan Holmberg.*** Cytotoxic T lymphocyte antigen 4 is induced in the thymus upon in vivo activation and its blockade prevents anti-CD3–mediated depletion of thymocytes

1247 ***Hui Xu, Hui Li, Elisabeth Suri-Payer, Richard R. Hardy, and Martin Weigert.*** Regulation of anti-DNA B cells in recombination-activating gene–deficient mice

1255 ***Yoshihiro Honda, Linda Rogers, Koh Nakata, Ben-Yang Zhao, Richard Pine, Yushi Nakai, Katsushi Kurosu, William N. Rom, and Michael Weiden.*** Type I interferon induces inhibitory 16-kD CCAAT/enhancer binding protein (C/EBP)β, repressing the HIV-1 long terminal repeat in macrophages: pulmonary tuberculosis alters C/EBP expression, enhancing HIV-1 replication

1267 ***Fabrizio Mainiero, Angela Gismondi, Alessandra Soriani, Marco Cippitelli, Gabriella Palmieri, Jordan Jacobelli, Mario Piccoli, Luigi Frati, and Angela Santoni.*** Integrin-mediated Ras–extracellular regulated kinase (ERK) signaling regulates interferon γ production in human natural killer cells

1277 ***Michael Naumann, Thomas Rudel, Björn Wieland, Cornelia Bartsch, and Thomas F. Meyer.*** Coordinate activation of activator protein 1 and inflammatory cytokines in response to *Neisseria gonorrhoeae* epithelial cell contact involves stress response kinases

1287 ***Ari Hashimoto, Hidetaka Okada, Aimin Jiang, Mari Kurosaki, Steven Greenberg, Edward A. Clark, and Tomohiro Kurosaki.*** Involvement of guanosine triphosphatases and phospholipase C-γ2 in extracellular signal–regulated kinase, c-Jun NH_2-terminal kinase, and p38 mitogen-activated protein kinase activation by the B cell antigen receptor

1297 ***Aimin Jiang, Andrew Craxton, Tomohiro Kurosaki, and Edward A. Clark.*** Different protein tyrosine kinases are required for B cell antigen receptor–mediated activation of extracellular signal–regulated kinase, c-Jun NH_2-terminal kinase 1, and p38 mitogen-activated protein kinase

1307 ***Ulla-Angela Temann, Gregory P. Geba, John A. Rankin, and Richard A. Flavell.*** Expression of

interleukin 9 in the lungs of transgenic mice causes airway inflammation, mast cell hyperplasia, and bronchial hyperresponsiveness

1321 ***Richard J. Quigg, Chun He, Alice Lim, Dawn Berthiaume, Jessy J. Alexander, Damian Kraus, and V. Michael Holers.*** Transgenic mice overexpressing the complement inhibitor Crry as a soluble protein are protected from antibody-induced glomerular injury

1333 ***Qiurong Liu, Antonio J. Oliveira-Dos-Santos, Sanjeev Mariathasan, Denis Bouchard, Jamie Jones, Renu Sarao, Ivona Kozieradzki, Pamela S. Ohashi, Josef M. Penninger, and Daniel J. Dumont.*** The inositol polyphosphate 5-phosphatase Ship is a crucial negative regulator of B cell antigen receptor signaling

1343 ***Eleni Douni and George Kollias.*** A critical role of the p75 tumor necrosis factor receptor (p75TNF-R) in organ inflammation independent of TNF, lymphotoxin α, or the p55TNF-R

1353 ***Brigitte Schiller, Chun He, David J. Salant, Alice Lim, Jessy J. Alexander, and Richard J. Quigg.*** Inhibition of complement regulation is key to the pathogenesis of active Heymann nephritis

1359 ***Matthew L. Albert, S. Frieda A. Pearce, Loise M. Francisco, Birthe Sauter, Pampa Roy, Roy L. Silverstein, and Nina Bhardwaj.*** Immature dendritic cells phagocytose apoptotic cells via $\alpha_v\beta_5$ and CD36, and cross-present antigens to cytotoxic T lymphocytes

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1369 ***Kai Schuh, Thomas Twardzik, Burkhard Kneitz, Jörg Heyer, Anneliese Schimpl, and Edgar Serfling.*** The interleukin 2 receptor α chain/CD25 promoter is a target for nuclear factor of activated T cells

1375 ***Baoping Wang, Ninghai Wang, Mariolina Salio, Arlene Sharpe, Deborah Allen, Jian She, and Cox Terhorst.*** Essential and partially overlapping role of CD3γ and CD3δ for development of αβ and γδ T lymphocytes

1381 ***Soo Young Lee, David R. Kaufman, Ana L. Mora, Angela Santana, Mark Boothby, and Yongwon Choi.*** Stimulus-dependent synergism of the antiapoptotic tumor necrosis factor receptor–associated factor 2 (TRAF2) and nuclear factor κB pathways

1385 ***Xuan Li, Douglas A. Steeber, Mimi L.K. Tang, Michael A. Farrar, Roger M. Perlmutter, and Thomas F. Tedder.*** Regulation of L-selectin–mediated rolling through receptor dimerization

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1391 ***Martha A. Alexander-Miller, Michael A. Derby, Apurva Sarin, Pierre A. Henkart, and Jay A. Berzofsky.*** Supraoptimal peptide–major histocompatibility complex causes a decrease in Bcl-2 levels and allows tumor necrosis factor α receptor II–mediated apoptosis of cytotoxic T lymphocytes

1401 ***César Trigueros, Almudena R. Ramiro, Yolanda R. Carrasco, Virginia G. de Yebenes, Juan P. Albar, and María L. Toribio.*** Identification of a late stage of small noncycling $pT\alpha^-$ pre-T cells as immediate precursors of T cell receptor α/β^+ thymocytes

1413 ***Alan M. Fong, Lisa A. Robinson, Douglas A. Steeber, Thomas F. Tedder, Osamu Yoshie, Toshio Imai, and Dhavalkumar D. Patel.*** Fractalkine and CX_3CR1 mediate a novel mechanism of leukocyte capture, firm adhesion, and activation under physiologic flow

1421 ***John P. Manis, Nienke van der Stoep, Ming Tian, Roger Ferrini, Laurie Davidson, Andrea Bottaro, and Frederick W. Alt.*** Class switching in B cells lacking 3′ immunoglobulin heavy chain enhancers

1433 ***Paul F. Lennon, Cormac T. Taylor, Gregory L. Stahl, and Sean P. Colgan.*** Neutrophil-derived 5′-adenosine monophosphate promotes endothelial barrier function via CD73-mediated conversion to adenosine and endothelial A_{2B} receptor activation

1445 ***Mizuo Hotta, Fumi Tashiro, Hiroshi Ikegami, Hitoshi Niwa, Toshio Ogihara, Junji Yodoi, and Jun-ichi Miyazaki.*** Pancreatic β cell–specific expression of thioredoxin, an antioxidative and antiapoptotic protein, prevents autoimmune and streptozotocin-induced diabetes

1453 ***Valerie Kouskoff, Sara Famiglietti, Georges Lacaud, Paul Lang, James E. Rider, Brian K. Kay, John C. Cambier, and David Nemazee.*** Antigens varying in affinity for the B cell receptor induce differential B lymphocyte responses

1465 ***Barry P. Sleckman, Bernard Khor, Robert Monroe, and Frederick W. Alt.*** Assembly of productive T cell receptor δ variable region genes exhibits allelic inclusion

1473 ***Jérôme Delon, Nadège Bercovici, Graça Raposo, Roland Liblau, and Alain Trautmann.*** Antigen-dependent and -independent Ca^{2+} responses triggered in T cells by dendritic cells compared with B cells

1485 ***Damo Xu, Woon Ling Chan, Bernard P. Leung, David Hunter, Kerstin Schulz, Robert W. Carter, Iain B. McInnes, John H. Robinson, and Foo Y. Liew.*** Selective expression and functions of interleukin 18 receptor on T helper (Th) type 1 but not Th2 cells

1493 ***Burkhard Ludewig, Bernhard Odermatt, Salome Landmann, Hans Hengartner, and Rolf M. Zinkernagel.*** Dendritic cells induce autoimmune diabetes and maintain disease via de novo formation of local lymphoid tissue

1503 ***Matthew C. Cook, Heinrich Körner, D. Sean Riminton, Frances A. Lemckert, Jhagvaral Hasbold, Michelle Amesbury, Philip D. Hodgkin, Jason G. Cyster, Jonathon D. Sedgwick, and Antony Basten.*** Generation of splenic follicular structure and B cell movement in tumor necrosis factor–deficient mice

1511 ***Kathrine J. Smith, Jason Pyrdol, Laurent Gauthier, Don C. Wiley, and Kai W. Wucherpfennig.*** Crystal structure of HLA-DR2 (DRA*0101, DRB1*1501) complexed with a peptide from human myelin basic protein

1521 ***Laurent Brossay, Mariacristina Chioda, Nicolas Burdin, Yasuhiko Koezuka, Giulia Casorati, Paolo Dellabona, and Mitchell Kronenberg.*** CD1d-mediated recognition of an α-galactosylceramide by natural killer T cells is highly conserved through mammalian evolution

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1529 ***Franca M. Spada, Yasuhiko Koezuka, and Steven A. Porcelli.*** CD1d-restricted recognition of synthetic glycolipid antigens by human natural killer T cells

1535 ***Stefan Grimm, Edward J. Weinstein, Ian M. Krane, and Philip Leder.*** Neu differentiation factor (NDF), a dominant oncogene, causes apoptosis in vitro and in vivo

1541 ***Gunasegaran Karupiah, Jian-He Chen, Surendran Mahalingam, Carl F. Nathan, and John D. MacMicking.*** Rapid interferon γ–dependent clearance of influenza A virus and protection from consolidating pneumonitis in nitric oxide synthase 2–deficient mice

1547 ***Esther von Stebut, Yasmine Belkaid, Thilo Jakob, David L. Sacks, and Mark C. Udey.*** Uptake of *Leishmania major* amastigotes results in activation and interleukin 12 release from murine skin–derived dendritic cells: implications for the initiation of anti-*Leishmania* immunity

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1553 ***Ruben Dyall, Wilbur B. Bowne, Lawrence W. Weber, Joel LeMaoult, Paul Szabo, Yoichi Moroi, Gregory Piskun, Jonathan J. Lewis, Alan N. Houghton, and Janko Nikolić-Žugić.*** Heteroclitic immunization induces tumor immunity

1563 ***Irma Börcsök, Hans U. Schairer, Ulrike Sommer, Glenn K. Wakley, Ulrich Schneider, Florian Geiger, Fritz U. Niethard, Reinhard Ziegler, and Christian H. Kasperk.*** Glucocorticoids regulate the expression of the human osteoblastic endothelin A receptor gene

1575 ***Loralee Haughn, Bernadine Leung, Lawrence Boise, André Veillette, Craig Thompson, and Michael Julius.*** Interleukin 2–mediated uncoupling of T cell receptor α/β from CD3 signaling

1587 ***Il Hwan Choi, Young Min Shin, Jae Seung Park, Moo Sam Lee, Eue Hyeog Han, Ok Hee Chai, Shun Young Im, Tai You Ha, and Hern-Ku Lee.*** Immunoglobulin E–dependent active fatal anaphylaxis in mast cell–deficient mice

1593 ***George R. Ehring, Hubert H. Kerschbaum, Claudia Eder, Amber L. Neben, Christopher M. Fanger, Rosana M. Khoury, Paul A. Negulescu, and Michael D. Cahalan.*** A nongenomic mechanism for progesterone-mediated immunosuppression: inhibition of K^+ channels, Ca^{2+} signaling, and gene expression in T lymphocytes

1603 ***Holly Kurzawa Koblish, Christopher A. Hunter, Maria Wysocka, Giorgio Trinchieri, and William M.F. Lee.*** Immune suppression by recombinant interleukin (rIL)-12 involves interferon γ induction of nitric oxide synthase 2 (iNOS) activity: inhibitors of NO generation reveal the extent of rIL-12 vaccine adjuvant effect

1611 ***Mark J. Smyth, Janice M. Kelly, Alan G. Baxter, Heinrich Körner, and Jonathon D. Sedgwick.*** An essential role for tumor necrosis factor in natural killer cell–mediated tumor rejection in the peritoneum

1621 ***Roger T. Palframan, Paul D. Collins, Nicholas J. Severs, Stephen Rothery, Timothy J. Williams, and Sara M. Rankin.*** Mechanisms of acute eosinophil mobilization from the bone marrow stimulated by interleukin 5: the role of specific adhesion molecules and phosphatidylinositol 3-kinase

1633 ***Abdel Rahim A. Hamad, Sean M. O'Herrin, Michael S. Lebowitz, Ananth Srikrishnan, Joan Bieler, Jonathan Schneck, and Drew Pardoll.*** Potent T cell activation with dimeric peptide–major histocompatibility complex class II ligand: the role of CD4 coreceptor

1641 ***Pedro Romero, P. Rod Dunbar, Danila Valmori, Mikaël Pittet, Graham S. Ogg, Donata Rimoldi, Ji-Li Chen, Danielle Liénard, Jean-Charles Cerottini, and Vincenzo Cerundolo.*** Ex vivo staining of metastatic lymph nodes by class I major histocompatibility complex tetramers reveals high numbers of antigen-experienced tumor-specific cytolytic T lymphocytes

1651 ***Adil E. Wakil, Zhi-En Wang, James C. Ryan, Deborah J. Fowell, and Richard M. Locksley.*** Interferon γ derived from $CD4^+$ T cells is sufficient to mediate T helper cell type 1 development

1657 ***Huaxian Chen, Michael Centola, Stephen F. Altschul, and Henry Metzger.*** Characterization of gene expression in resting and activated mast cells

1669 ***Andreas Würch, Judit Biro, Alexandre J. Potocnik, Ingrid Falk, Horst Mossmann, and Klaus Eichmann.*** Requirement of CD3 complex–associated signaling functions for expression of rearranged T cell receptor β VDJ genes in early thymic development

1679 ***Ulf Klein, Klaus Rajewsky, and Ralf Küppers.*** Human immunoglobulin (Ig)M^+IgD^+ peripheral blood B cells expressing the CD27 cell surface antigen carry somatically mutated variable region genes: CD27 as a general marker for somatically mutated (memory) B cells

1691 ***Stuart G. Tangye, Yong-Jun Liu, Gregorio Aversa, Joseph H. Phillips, and Jan E. de Vries.*** Identification of functional human splenic memory B cells by expression of CD148 and CD27

1705 ***Liisa K. Selin, Steven M. Varga, Iris C. Wong, and Raymond M. Welsh.*** Protective heterologous antiviral immunity and enhanced immunopathogenesis mediated by memory T cell populations

1717 ***Laurie B. Owen-Schaub, Kenneth L. van Golen, Laurie L. Hill, and Janet E. Price.*** Fas and Fas ligand interactions suppress melanoma lung metastasis

1725 ***Rafael L. Ufret-Vincenty, Laura Quigley, Nancy Tresser, Seong Hee Pak, Ameer Gado, Stefan Hausmann, Kai W. Wucherpfennig, and Stefan Brocke.*** In vivo survival of viral antigen–specific T cells that induce experimental autoimmune encephalomyelitis

1739 ***Liyan Yang, Lauren Cohn, Dong-Hong Zhang, Robert Homer, Anuradha Ray, and Prabir Ray.*** Essential role of nuclear factor κB in the induction of eosinophilia in allergic airway inflammation

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1751 ***Jon Olav Utgaard, Frode L. Jahnsen, Arne Bakka, Per Brandtzaeg, and Guttorm Haraldsen.*** Rapid secretion of prestored interleukin 8 from Weibel-Palade bodies of microvascular endothelial cells

1757 ***Barbara Wolff, Alan R. Burns, James Middleton, and Antal Rot.*** Endothelial cell "memory" of

inflammatory stimulation: human venular endothelial cells store interleukin 8 in Weibel-Palade bodies

1763 ***Vincenzo De Laurenzi, Antonio Costanzo, Daniela Barcaroli, Alessandro Terrinoni, Mirella Falco, Margherita Annicchiarico-Petruzzelli, Massimo Levrero, and Gerry Melino.*** Two new p73 splice variants, γ and δ, with different transcriptional activity

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1769 ***Deborah A. Lazzarino, Peter Blier, and Ira Mellman.*** The monomeric guanosine triphosphatase rab4 controls an essential step on the pathway of receptor-mediated antigen processing in B cells

1775 ***Mark J. Penny, Rochelle A. Boyd, and Bruce M. Hall.*** Permanent $CD8^+$ T cell depletion prevents proteinuria in active Heymann nephritis

1785 ***Gillian C. Harcourt, Sarah Garrard, Miles P. Davenport, Anne Edwards, and Rodney E. Phillips.*** HIV-1 variation diminishes CD4 T lymphocyte recognition

1795 ***Jung-Hua Yeh, Shu-Ching Hsu, Shou-Hwa Han, and Ming-Zong Lai.*** Mitogen-activated protein kinase kinase antagonized Fas-associated death domain protein–mediated apoptosis by induced FLICE-inhibitory protein expression

1803 ***Jeehee Youn, Jin Chen, Shreevrat Goenka, Mark A. Aronica, Ana L. Mora, Victor Correa, James R. Sheller, and Mark Boothby.*** In vivo function of an interleukin 2 receptor β chain (IL-2Rβ)/IL-4Rα cytokine receptor chimera potentiates allergic airway disease

1817 ***Mercedes Rincón, Alan Whitmarsh, Derek D. Yang, Linda Weiss, Benoit Dérijard, Prash Jayaraj, Roger J. Davis, and Richard A. Flavell.*** The JNK pathway regulates the in vivo deletion of immature $CD4^+CD8^+$ thymocytes

1831 ***Agnès Lehuen, Olivier Lantz, Lucie Beaudoin, Véronique Laloux, Claude Carnaud, Albert Bendelac, Jean-François Bach, and Renato C. Monteiro.*** Overexpression of natural killer T cells protects Vα14-Jα281 transgenic nonobese diabetic mice against diabetes

1841 ***Russell E. Vance, Jennifer R. Kraft, John D. Altman, Peter E. Jensen, and David H. Raulet.*** Mouse CD94/NKG2A is a natural killer cell receptor for the nonclassical major histocompatibility complex (MHC) class I molecule $Qa\text{-}1^b$

1849 ***Wanjun Chen, Wenwen Jin, and Sharon M. Wahl.*** Engagement of cytotoxic T lymphocyte–associated antigen 4 (CTLA-4) induces transforming growth factor β (TGF-β) production by murine $CD4^+$ T cells

1859 ***I-Cheng Ho, David Lo, and Laurie H. Glimcher.*** c-maf promotes T helper cell type 2 (Th2) and attenuates Th1 differentiation by both interleukin 4–dependent and –independent mechanisms

1867 ***Gayle M. Davey, Sonya L. Schober, Bart T. Endrizzi, Angela K. Dutcher, Stephen C. Jameson, and Kristin A. Hogquist.*** Preselection thymocytes are more sensitive to T cell receptor stimulation than mature T cells

1875 ***Fabienne Van de Keere and Susumu Tonegawa.*** $CD4^+$ T cells prevent spontaneous experimental autoimmune encephalomyelitis in anti–myelin basic protein T cell receptor transgenic mice

1883 ***Danyvid Olivares-Villagómez, Yijie Wang, and Juan J. Lafaille.*** Regulatory $CD4^+$ T cells expressing endogenous T cell receptor chains protect myelin basic protein–specific transgenic mice from spontaneous autoimmune encephalomyelitis

1895 ***Manfred Kopf, Suzanne Herren, Michael V. Wiles, Mark B. Pepys, and Marie H. Kosco-Vilbois.*** Interleukin 6 influences germinal center development and antibody production via a contribution of C3 complement component

1907 ***Akio Abe, Ursula Heczko, Richard G. Hegele, and B. Brett Finlay.*** Two enteropathogenic *Escherichia coli* type III secreted proteins, EspA and EspB, are virulence factors

1917 ***Jennifer M. Burns, Robert C. Gallo, Anthony L. DeVico, and George K. Lewis.*** A new mono-

clonal antibody, mAb 4A12, identifies a role for the glycosaminoglycan (GAG) binding domain of RANTES in the antiviral effect against HIV-1 and intracellular Ca^{2+} signaling

1929 ***Monica Boirivant, Ivan J. Fuss, Alan Chu, and Warren Strober.*** Oxazolone colitis: a murine model of T helper cell type 2 colitis treatable with antibodies to interleukin 4

1941 ***Yasmine Belkaid, Shaden Kamhawi, Govind Modi, Jesus Valenzuela, Nancy Noben-Trauth, Edgar Rowton, José Ribeiro, and David L. Sacks.*** Development of a natural model of cutaneous leishmaniasis: powerful effects of vector saliva and saliva preexposure on the long-term outcome of *Leishmania major* infection in the mouse ear dermis

1955 ***Ulrich A.K. Betz, Wilhelm Bloch, Maries van den Broek, Kanji Yoshida, Tetsuya Taga, Tadamitsu Kishimoto, Klaus Addicks, Klaus Rajewsky, and Werner Müller.*** Postnatally induced inactivation of gp130 in mice results in neurological, cardiac, hematopoietic, immunological, hepatic, and pulmonary defects

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1967 ***Paul W. Tebbey, Michael Hagen, and Gerald E. Hancock.*** Atypical pulmonary eosinophilia is mediated by a specific amino acid sequence of the attachment (G) protein of respiratory syncytial virus

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Commentary

1973 ***Patrick C. Wilson and J. Donald Capra.*** The super-information age of immunoglobulin genetics

Articles

1977 ***Sally R.M. Bennett, Francis R. Carbone, Tracey Toy, Jacques F.A.P. Miller, and William R. Heath.*** B cells directly tolerize $CD8^+$ T cells

1985 ***Azumi Hamasaki, Fujiro Sendo, Keiko Nakayama, Noriko Ishida, Izumi Negishi, Kei-ichi Nakayama, and Shigetsugu Hatakeyama.*** Accelerated neutrophil apoptosis in mice lacking A1-a, a subtype of the *bcl-2*–related A1 gene

1993 ***Meei Yun Lin and Raymond M. Welsh.*** Stability and diversity of T cell receptor repertoire usage during lymphocytic choriomeningitis virus infection of mice

2007 ***Booki Min, Kevin L. Legge, Christopher Pack, and Habib Zaghouani.*** Neonatal exposure to a self-peptide–immunoglobulin chimera circumvents the use of adjuvant and confers resistance to autoimmune disease by a novel mechanism involving interleukin 4 lymph node deviation and interferon γ–mediated splenic anergy

2019 ***Philip A. Stumbles, Jennifer A. Thomas, Carolyn L. Pimm, Peter T. Lee, Thierry J. Venaille, Stephen Proksch, and Patrick G. Holt.*** Resting respiratory tract dendritic cells preferentially stimulate T helper cell type 2 (Th2) responses and require obligatory cytokine signals for induction of Th1 immunity

2033 ***Martina Müller, Sylvia Wilder, Detlev Bannasch, David Israeli, Katrin Lehlbach, Min Li-Weber, Scott L. Friedman, Peter R. Galle, Wolfgang Stremmel, Moshe Oren, and Peter H. Krammer.*** p53 activates the CD95 (APO-1/Fas) gene in response to DNA damage by anticancer drugs

2047 ***Marta Mollerach, Rubens López, and Ernesto García.*** Characterization of the *galU* gene of *Streptococcus pneumoniae* encoding a uridine diphosphoglucose pyrophosphorylase: a gene essential for capsular polysaccharide biosynthesis

2057 ***Zhiwei Chen, Douglas Kwon, Zhanqun Jin, Simon Monard, Paul Telfer, Morris S. Jones, Chang Y. Lu, Roberto F. Aguilar, David D. Ho, and Preston A. Marx.*** Natural infection of a homozygous Δ24 CCR5 red-capped mangabey with an R2b-tropic simian immunodeficiency virus

2067 ***Kazunori Imada, Eda T. Bloom, Hiroshi Nakajima, Judith A. Horvath-Arcidiacono, Garry B. Udy, Helen W. Davey, and Warren J. Leonard.*** Stat5b is essential for natural killer cell–mediated proliferation and cytolytic activity

2075 ***Bali Pulendran, J.L. Smith, M. Jenkins, M. Schoenborn, E. Maraskovsky, and C.R. Maliszewski.*** Prevention of peripheral tolerance by a dendritic cell growth factor: Flt3 ligand as an adjuvant

2083 ***Marion H. Brown, Kent Boles, P. Anton van der Merwe, Vinay Kumar, Porunelloor A. Mathew, and A. Neil Barclay.*** 2B4, the natural killer and T cell immunoglobulin superfamily surface protein, is a ligand for CD48

2091 ***Carsten J. Kirschning, Holger Wesche, T. Merrill Ayres, and Mike Rothe.*** Human Toll-like receptor 2 confers responsiveness to bacterial lipopolysaccharide

2099 ***Young-Yun Kong, Klaus-Dieter Fischer, Martin F. Bachmann, Sanjeev Mariathasan, Ivona Kozieradzki, Mai P. Nghiem, Dennis Bouchard, Alan Bernstein, Pamela S. Ohashi, and Josef M. Penninger.*** Vav regulates peptide-specific apoptosis in thymocytes

2113 ***Alissa Bukrinskaya, Beda Brichacek, Angela Mann, and Mario Stevenson.*** Establishment of a functional human immunodeficiency virus type 1 (HIV-1) reverse transcription complex involves the cytoskeleton

2127 ***Denise M. Monack, Joan Mecsas, Donna Bouley, and Stanley Falkow.*** *Yersinia*-induced apoptosis in vivo aids in the establishment of a systemic infection of mice

2139 ***Stephanie Ceman, Shenhong Wu, Theodore S. Jardetzky, and Andrea J. Sant.*** Alteration of a single hydrogen bond between class II molecules and peptide results in rapid degradation of class II molecules after invariant chain removal

2151 ***Fumihiko Matsuda, Kazuo Ishii, Patrice Bourvagnet, Kei-ichi Kuma, Hidenori Hayashida, Takashi Miyata, and Tasuku Honjo.*** The complete nucleotide sequence of the human immunoglobulin heavy chain variable region locus

2163 ***Kayo Inaba, Shannon Turley, Fumiya Yamaide, Tomonori Iyoda, Karsten Mahnke, Muneo Inaba, Margit Pack, Marion Subklewe, Birthe Sauter, David Sheff, Matthew Albert, Nina Bhardwaj, Ira Mellman, and Ralph M. Steinman.*** Efficient presentation of phagocytosed cellular fragments on the major histocompatibility complex class II products of dendritic cells

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